No.	Delta	Radius	Arc Length	Chord Length	Chord Bearing
C1	01°31'36"	622.56	16.59	16.59	N49°37'59"E
C2	16°01'22"	622.56	174.10	173.53	N40°51'30"E
C3	02°51'00"	819.26	40.75	40.75	N31°25'18"E

LOT AREA:
4 ACRES±
PER ASSESSOR'S
RECORDS
TAX MAP R10 LOT 24

PLAN

PETERSON
85,462 S.F.
1.96 Ac.

LOT ACROSS1
52,006 S.F.
1.19 Ac.

N/F
PETERSON

N/F
FIELDSEND

SOIL CLASS 38

SOIL CLASS 38

159
S85°38'58"E
350.02'
150
S84°10'02"E
145.64'
151
41.13'
S05°50'01"W
152
263.57'
S32°46'51"W
153
300'± TO ROUTE 33
18" CMP CULVERT
100
N31°38'24"E
174.77'
108
C1
N50°23'47"E
183.41'
110
S38°46'51"E
305.57'
158
N42°16'51"E
126.75'
70.00'
N64°36'49"W
157
109.90'
N81°53'29"W
156
122.65'
N75°12'59"W PLAN: 122.81'
155
50.49'
N70°28'50"W
154
149.61'
N35°58'30"W 149.61'
22
75'
ASSUMED LOCATION OF WATER LINE
PROTECTIVE RADIUS
160'±
WATER EL 92.4±
POND
APPROX POOL
APPROX EXIS TANK 1500/500 GAL PER APPROVAL CA2003055529
ACCESS COVER EL 95.5
EXISTING 1 BEDROOM HOUSE WITH BASEMENT
PROP SETTLING TANK & PUMP CHAMBER
SHED
PAVED DRIVEWAY
DEED:18'
EP
BM#2
VERTICAL NAIL
3" MAPLE
ELEV 96.00
BM#3
SET HUB
EL 94.62
EXISTING SURFACE WATER APPEARS TO BE THE RESULT OF EXISTING SYSTEM FAILURE.
LOCATION OF EXISTING FAILED ELJEN IN-DRAIN BED PER APPROVAL CA2003055529 REMOVE COMPONENTS AND ALL ORGANIC MATERIAL UNDER BED. AND FILL EXTENSION.
TO BE LEVEL
DEED:100'
DEED:125'
EXISTING GARAGE
EXISTING PAVED DRIVEWAY
EXISTING HOUSE
APPROX PL SEE NOTE 1
BM#1
SET PK POLE
ELEV 96.75
WINNICUT ROAD
C2
C3
N21°58'28"W
153.18'
LOT ACROSS1
1

Command= 210-
Point#, Start#-End# or G#= 1-200

Bearing	Distance	Elev	Descrip	Pnt.	Northing	Easting	Type
----------01-09-2025-----14:22:27----------D:...\BMHOME7							
		96.03	SETHUB	1	4843.7463	4894.5281	
		94.62	SETHUB	2	4896.5144	4792.2029	TRA
		99.24	TOPNHHB*	3	4510.0856	4562.2654	SS
		96.48	TOPNHHB*	4	4669.7273	4756.5377	SS
		96.55	TOPNHHB*	5	4851.2077	4908.3191	SS
		93.00	TOP18CMP	6	4949.3854	4906.5419	SS
		96.52	WHLN2EP	7	4898.0122	4896.4526	SS
		96.31	CORHSE	8	4902.7138	4872.9546	SS
		96.00	CORHSE	9	4880.1881	4858.5068	SS
		100.00	BMSILL	10	4884.3432	4851.6469	SS
		95.57	CORHSE	11	4891.9008	4839.1853	SS
		95.06	CORSHED	12	4876.9580	4828.2877	SS
		95.61	CORSHED	13	4869.6416	4837.7769	SS
		95.53	COREP***	14	4877.1167	4845.8841	SS
		95.60	CORSHED	15	4860.0774	4830.5908	SS
		95.31	PITBS	16	4831.9908	4826.4963	SS
		95.96	<EP	17	4837.9534	4846.0530	SS
		96.25	EPEPDR3	18	4826.0659	4848.2398	SS
		95.99	COREP3	19	4765.3885	4800.7837	SS
		96.75	SETPKPOL	20	4781.8624	4803.7558	SS
		95.43	ANCHOR	21	4788.1058	4796.4979	SS
		96.19	CORGAR	22	4801.6630	4767.2552	SS
		96.40	CORGAR	23	4818.2249	4752.7570	SS
		94.82	BSEDGWDS	24	4829.6272	4767.7821	SS
		94.98	BSLF	25	4830.0258	4775.6573	SS
		94.85	BSLF	26	4815.9661	4784.4907	SS
		95.08	BSLF	27	4807.3067	4794.8819	SS
		95.22	BSLF	28	4815.5927	4814.1565	SS
		96.12	EP2.5	29	4802.1160	4831.6865	SS
		94.91	BS	30	4793.1448	4800.3629	SS
		94.95	BS	31	4805.2000	4786.0745	SS
		97.61	CORHSE	32	4777.9783	4738.4705	SS
		96.61	CORGAR	33	4787.0963	4750.4125	SS
		97.61	CORFNDA	34	4757.2904	4755.1087	SS
		96.20	COREP2.5	35	4748.8525	4785.8323	SS
		96.52	COREP2.5	36	4861.7010	4871.6529	SS
		97.97	@VENT	37	4829.6003	4788.9112	SS
		98.15	TS	38	4832.6563	4808.8731	SS
		94.16	SPLTTREE	39	4910.6841	4800.8505	SS
		93.11	BS	40	4922.2800	4807.0957	SS
		92.75	+3POND	41	4933.7120	4815.2145	SS
		92.86	L3 POND	42	4927.9072	4824.2624	SS
		92.42	EDGPOND	43	4941.0282	4846.5757	SS
		95.86	CORHSE	44	4911.3613	4858.8697	SS
		95.56	CORHSE	45	4900.1990	4844.1424	SS
		95.08	CORSHED	46	4867.3890	4820.9601	SS

JOB #6 553TOTH [200]

Bearing	Distance	Elev	Descrip	Pnt.	Northing	Easting	Type
01-09-2025				14:22:27		D:...\BMHOME7	
		96.01	TOPNLBM	47	4851.9104	4825.9633	SS
		94.69	BSLF	48	4856.2847	4806.3959	SS
		95.12	BSLF	49	4844.4844	4786.0724	SS
		95.02	BSLF	50	4851.8112	4793.4262	SS
		95.70	TS	51	4891.9572	4811.3274	SS
		95.46	TANKCVR	52	4898.9708	4812.4041	SS
		94.44	EDGTREES	53	4883.1337	4794.5786	SS
		94.63	EDGTREES	54	4862.0134	4783.7983	SS
		94.70	EDGTREES	55	4866.6064	4773.6979	SS
		93.64	EDGTREES	56	4887.1062	4785.2308	SS
		92.96	BSOGWET*	57	4914.9495	4787.0935	SS
		92.98	BSOGWET*	58	4902.7396	4777.4093	SS
		92.92	BSOGWET*	59	4895.9655	4779.5148	SS
		92.85	BSOGWET*	60	4883.3124	4774.1441	SS
		94.93	EDGWDS**	61	4854.4505	4762.7504	SS
		94.13	BSWDS	62	4852.3873	4752.6786	SS
		93.95	BSWDS	63	4844.9584	4745.4766	SS
		95.88	TS	64	4841.0746	4737.8058	SS
		93.90	LOW	65	4859.3359	4738.6175	SS
		93.78	EDGWDSOG	66	4873.9587	4736.2804	SS
		93.39	BS	67	4875.1509	4765.1515	SS
		93.22	FARBSEW	68	4894.2086	4746.7414	SS
		93.29	FARBSEW	69	4917.3563	4759.9630	SS
		94.08	@POOL	70	4920.8048	4741.5788	SS
		94.20	@POOL	71	4932.8080	4719.5654	SS
		93.59	@WELL	72	5003.4231	4761.0683	SS
				100	5000.0000	5000.0000	
				101	4851.2077	4908.3191	TRA
				102	5280.9754	4210.8331	RP
				103	4817.0605	4886.0886	PT
				104	5169.5919	4372.9584	TRA
				105	4678.7433	4755.9057	PT
				106	4756.6121	5379.2370	TRA
				107	4446.9818	4964.9481	TRA
				108	4685.1863	4773.5541	TRA
				109	4415.1084	4676.0108	TRA
				110	4557.5239	4619.6021	TRA
				111	4674.4427	4760.9146	TRA
				112	5154.1085	4364.0497	TRA
				113	4685.1875	4773.5543	PT
				114	4816.4348	4887.0777	PT
				115	5260.7971	4198.7979	TRA
				119	4877.4367	4865.7510	TRA
				120	4932.7751	4899.8488	TRA
				121	4510.0846	4562.2652	INT
				150	5210.0880	4901.8486	
				151	5195.2871	5046.7345	TRA
				152	5154.3701	5042.5541	TRA
				153	4932.7743	4899.8500	TRA
				154	5049.0802	4805.7431	TRA
				155	5066.0543	4758.1919	TRA
				156	5097.3509	4639.6021	TRA
				157	5112.8523	4530.8008	TRA
				158	5142.8628	4467.5602	TRA
				159	5236.6395	4552.8332	TRA

Point#, Start#-End# or G#= 4-

APPROVAL FOR CONSTRUCTION

CA2008095655 N.H. DEPARTMENT OF ENVIRONMENTAL SERVICES CA2008095655
SUBSURFACE SYSTEMS BUREAU
P.O. BOX 95, 29 HAZEN DRIVE, CONCORD, NH 03302-0095 APPROVAL NO.

THE PLANS AND SPECIFICATIONS FOR SEWAGE OR WASTE DISPOSAL SYSTEM SUBMITTED FOR:

OWNER: CHARLES TOTH
9 PALM DR
GREENLAND NH 03840-

COPY SENT TO: BUILDING INSPECTOR
PO BOX 100
GREENLAND NH 03840

BY APPLICANT: PERMIT NO. 00348
STOCKTON SERVICES
PO BOX 1306
HAMPTON NH 03843-1306

Map No./Lot No.: R10 / 24
Subd. Appvl. No.: PRE67
Subd. Name:
County: ROCKINGHAM
Registry Book No.: 3208
Registry Page No.: 0615
Probate Docket No. (If Applicable):
Type of System: O
2 BR
300 GPD
Town/City Location: GREENLAND
Street Location: 24 WINNICUT ROAD

Subsurface waste disposal systems must be operated and maintained in a manner so as to prevent nuisance or health hazard due to system failure. (RSA 485-A:37)

It is unlawful to discharge any hazardous chemicals or substances into subsurface waste disposal systems. Included are paints, thinners, gasoline and chlorinated hydrocarbon solvents such as TCE, sometimes used to clean failed septic systems and auto parts. (Env-Ws 1503.04)

ADVISE YOUR CONTRACTOR OF REQUIRED CHANGES IN PLANS AS INDICATED BELOW CONDITIONS

1. THIS APPROVAL IS VALID FOR 90 DAYS FROM DATE OF SAID APPROVAL, PER ENV-WQ 1003.22.
2. THIS APPROVAL IS GRANTED ONLY TO IMPROVE AN EXISTING SITUATION.
3. THIS PERMIT IS FOR THE RECONSTRUCTION OF THE SEPTIC SYSTEM ONLY, ANY REPAIR OR REPLACEMENT OF THE STRUCTURE SHALL NOT INCREASE THE EXISTING FOOTPRINT OR OUTSIDE DIMENSIONS.
4. ADDRESS ENV-WQ 1008.04(c).
5. WAIVERS GRANTED.

Approved this date: 12/01/2008 By: ERIC J THOMAS
N.H. Department of Environmental Services Staff
Date amended: Amended by:
(OVER)

REVISED 8/01

200804681

APPLICANT'S

PT

PERC TEST DATA

CA2008095655

PERCOLATION TEST N/A
(NOT A DETERMINATIVE FACTOR FOR CLEAN SOLUTION SYSTEM)

REVIEWED AND APPROVED
IN ACCORDANCE WITH THE
REQUIREMENTS OF THE
NH DEPT OF ENVIRONMENTAL SERVICES
WATER DIVISION
Signed Eric Thomas 12-1-08

DESIGN LOADING: EXISTING 2 BEDROOM HOUSE

AREA REQUIRED: PER CLEAN SOLUTION SPECIFICATIONS:
75 SF DISPERSAL AREA REQUIRED

AREA PROPOSED: 13' X 18' = 234 SF PROVIDED
(DISPERSAL AREA)

ADVISE YOUR CONTRACTOR OF REQUIRED CHANGES IN PLANS AS INDICATED ON THIS CONDITIONAL APPROVAL.

PROPOSED CLEAN SOLUTION REPLACEMENT

SEPTIC SYSTEM PLAN

EXISTING FAILED SYSTEM – PREVIOUS APPROVAL CA2003055529

LOCUS: 24 WINNICUT ROAD
TAX MAP R10 LOT 24
GREENLAND, NH

OWNER: CHARLES TOTH
9 PALM DRIVE
GREENLAND, NH 03840

NEW HAMPSHIRE
Designer
of
Subsurface Disposal
Systems
* * *
Ann W. Białobrzeski
No. 348
Water Supply & Pollution Control

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03842
603 929-7404

DATE: NOVEMBER 22, 2008

APPROVAL:

553

RECEIVED
NOV 26 2008
By: Subsurface

Hoonholt

JAN 17 1 19 PM '72
REC'D ROCKINGHAM COUNTY REGISTRY OF DEEDS

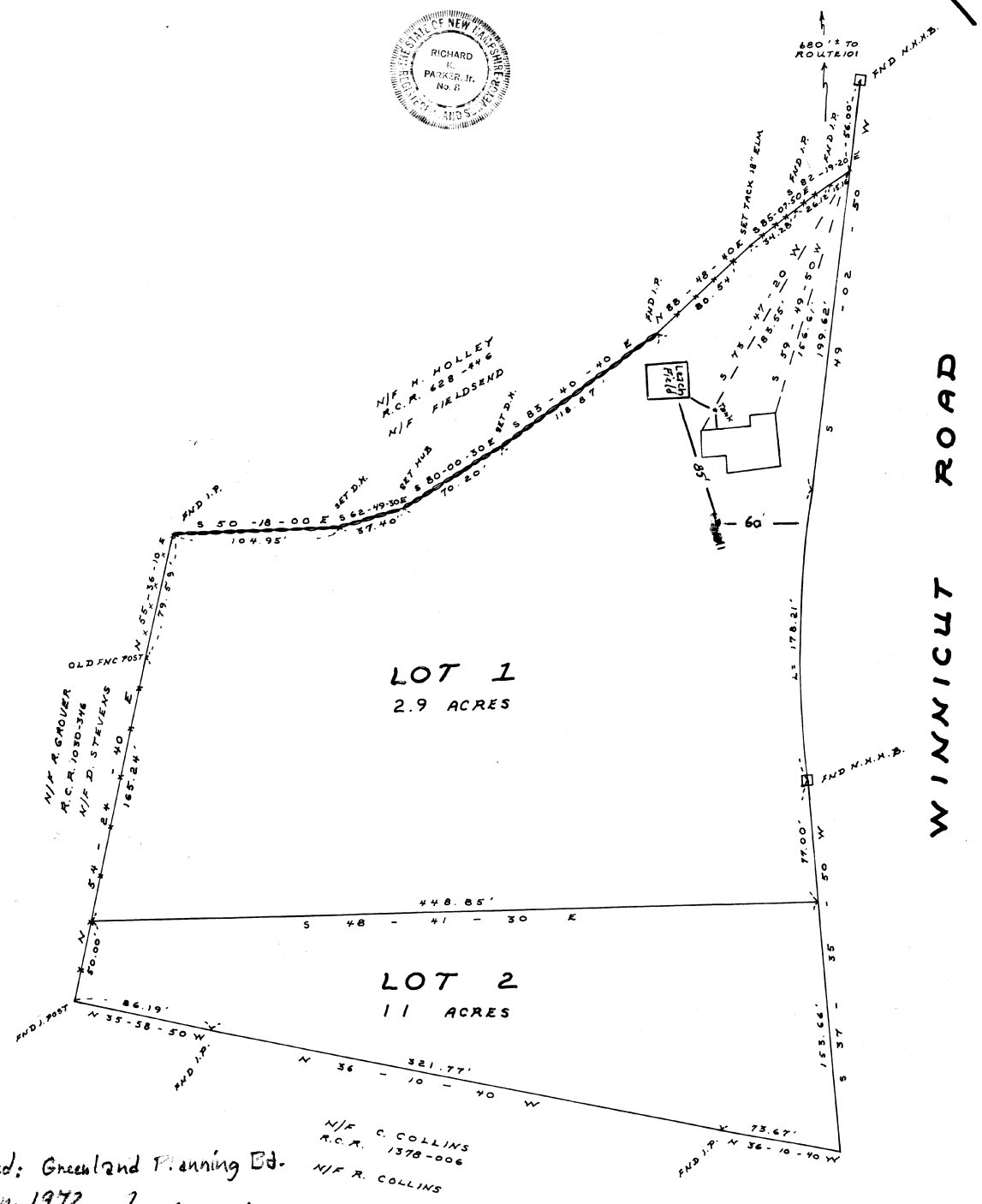
00852

C-2174

PLAT OF LAND FOR JOHN F. HOONHOLT IN GREENLAND, N.H.

SCALE 1" = 50' JAN, 1972
PARKER SURVEY ASSOC, INC
SEABROOK, N.H

THE STATE OF NEW HAMPSHIRE
RICHARD E. PARKER JR. No. 6
REGISTERED LAND SURVEYOR



Approved: Greenland Planning Bd.
13 Jan, 1972
Chas. H. Rae
Franklin W. Reed
Frederick H. Simmons Sr.
Ramon S. Ellis
Ted Hoonholt
Richard Hamlin
Raymond Hamlin

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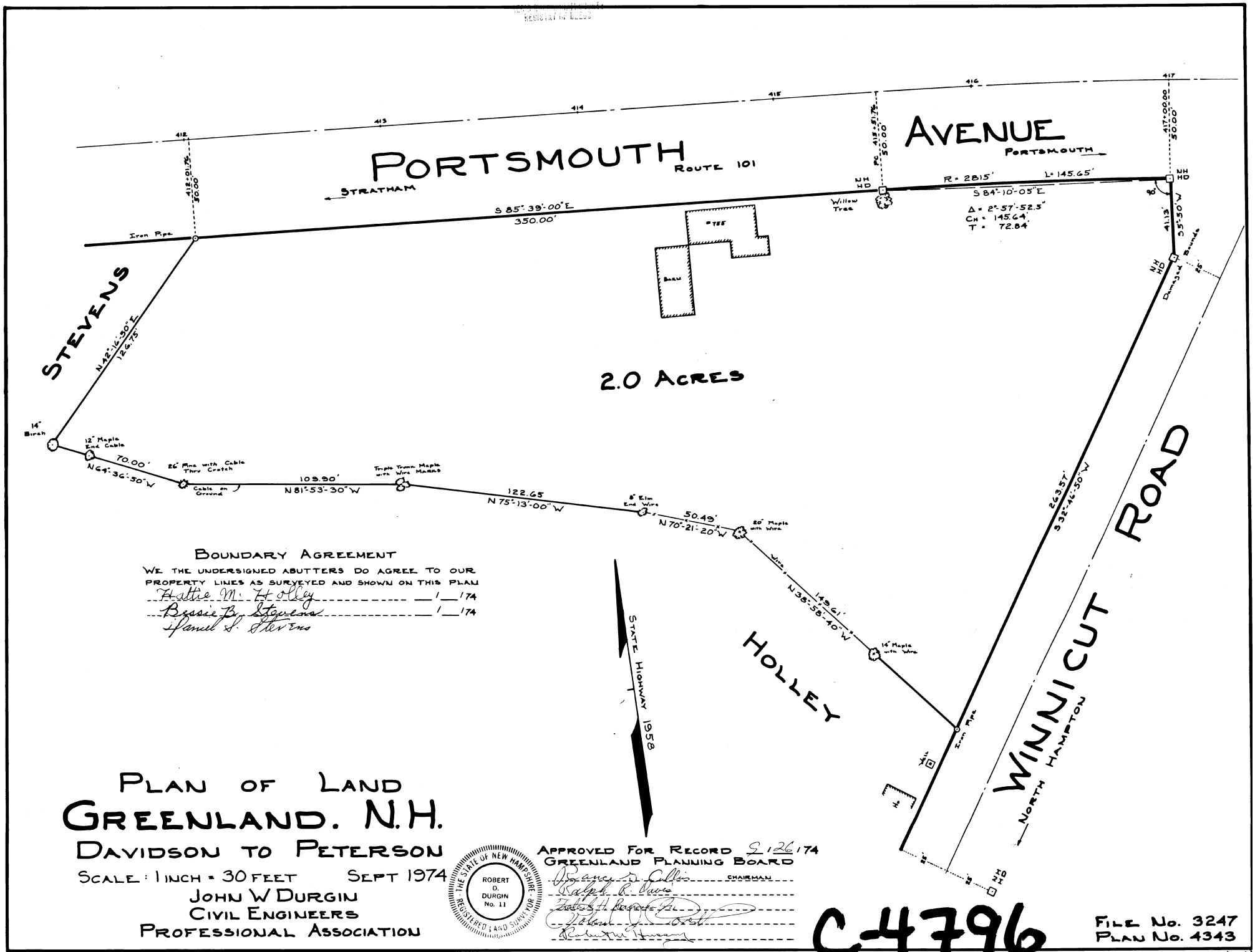
1115

'74 OCT 23 AM 10:52

REGISTRY OF DEEDS



BOUNDARY AGREEMENT

WE THE UNDERSIGNED ABUTTERS DO AGREE TO OUR PROPERTY LINES AS SURVEYED AND SHOWN ON THIS PLAN

Hattie M. Holley ____/____/74

Bessie B. Stevens ____/____/74

Daniel S. Stevens

PLAN OF LAND
GREENLAND. N.H.
DAVIDSON TO PETERSON

SCALE: 1 INCH = 30 FEET SEPT 1974

JOHN W DURGIN
CIVIL ENGINEERS
PROFESSIONAL ASSOCIATION

THE STATE OF NEW HAMPSHIRE
ROBERT O. DURGIN No. 11
REGISTERED LAND SURVEYOR

APPROVED FOR RECORD 9/26/74
GREENLAND PLANNING BOARD

Eleanor D. Collis CHAIRMAN
Ralph R. Davis
Robert H. Harper Jr.
John J. Cost
Robert W. Hussey

C-4796

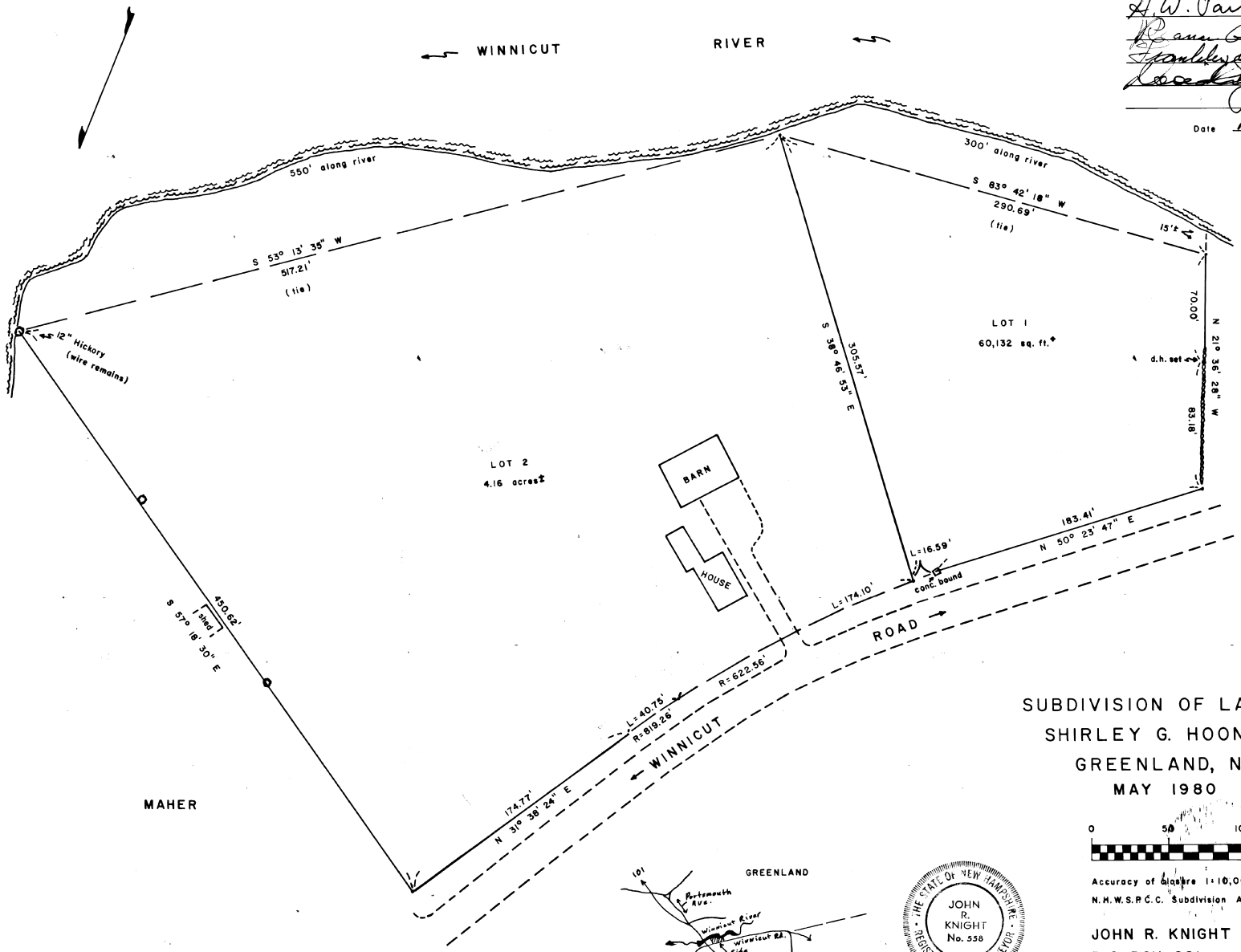
FILE No. 3247
PLAN No. 4343

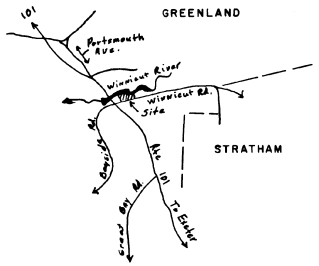
BWD & Assoc.

Rockingham County
Registry of Deeds

Mar 28 2 28 PM '80 MAY 20 2:28 PM '80
05330

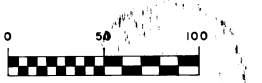
Approved by Greenland Planning Board
H. W. Parker
Warren G. Collins
Stanley W. Beck
Lee Siegel
Date 15 May 1980





John R. Knight

SUBDIVISION OF LAND OF SHIRLEY G. HOONHOUT GREENLAND, N. H. MAY 1980



Accuracy of closure 1:10,000
N.H.W.S.P.C.C. Subdivision Approval # 15683

JOHN R. KNIGHT R.L.S.
P. O. BOX 221
SANBORNVILLE, N. H.
03872

C-9498

Town of Greenland

APPROVAL FOR CONSTRUCTION

CA2008095855 N.H. DEPARTMENT OF ENVIRONMENTAL SERVICES CA2008095855
SUBSURFACE SYSTEMS BUREAU
P.O. BOX 95, 29 HAZEN DRIVE, CONCORD, NH 03302-0095 APPROVAL NO.

THE PLANS AND SPECIFICATIONS FOR SEWAGE OR WASTE DISPOSAL SYSTEM SUBMITTED FOR

OWNER: CHARLES TOTH
9 PALM DR
GREENLAND NH 03840-

COPY SENT TO:
BUILDING INSPECTOR
PO BOX 100
GREENLAND NH 03840

BY APPLICANT: PERMIT NO. 00348

STOCKTON SERVICES
PO BOX 1306
HAMPTON NH 03843-1306

Map No./Lot No.:	R10/24 PRE67
Subd. Appvl. No.:	
Subd. Name:	ROCKINGHAM
County:	3208
Registry Book No.:	0615
Registry Page No.:	
Probate Docket No.: (If Applicable)	0
Type of System:	2 BR 300 GPD
Town/City Location:	GREENLAND
Street Location:	24 WINNICUT ROAD

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3. THIS PERMIT IS FOR THE RECONSTRUCTION OF THE SEPTIC SYSTEM ONLY, ANY REPAIR OR REPLACEMENT OF THE STRUCTURE SHALL NOT INCREASE THE EXISTING FOOTPRINT OR OUTSIDE DIMENSIONS.
4. ADDRESS ENV-WQ 1008.04(c).
5. WAIVERS GRANTED.

90 DAY EXTENSION GRANTED FROM DATE OF EXPIRATION. JGF 4/8/09.

12/01/2008 ERIC J THOMAS

Approved this date: _____ By: _____
N.H. Department of Environmental Services Staff

Date amended: _____ Amended by: _____

0 8 01

One Stop Data and Information

Subsurface Sites Query Results

Questions/Comments: Subsurface Contact

Location/ County	Owner Name	Approval # Approval Date Operation Date	Designer/Installer	Letter Dates	Work Number	Permit Type	State Subdiv Approval #	Number of Bedrooms	Flow	Map Number	Lot Number
WINNICUT ROAD GREENLAND ROCKINGHAM	CHARLES TOTH 9 PALM DR GREENLAND NH 03840	CA2003055529 08/19/2003 08/26/2003	Designer Installer		200306433	CONSTR	PRE 67	2	300	R-10	24

1

Prev | Next

Printable Version in Excel | Printable Version Help

Total Records Returned: 1

Return to Query

New Hampshire Department of Environmental Services | PO Box 95 | 29 Hazen Drive | Concord, NH 03302-0095
603.271.3505 | TDD Access: Relay NH 1.800.735.2964 | Hours: M-F, 8am-4pm

NH.gov | privacy policy | accessibility policy

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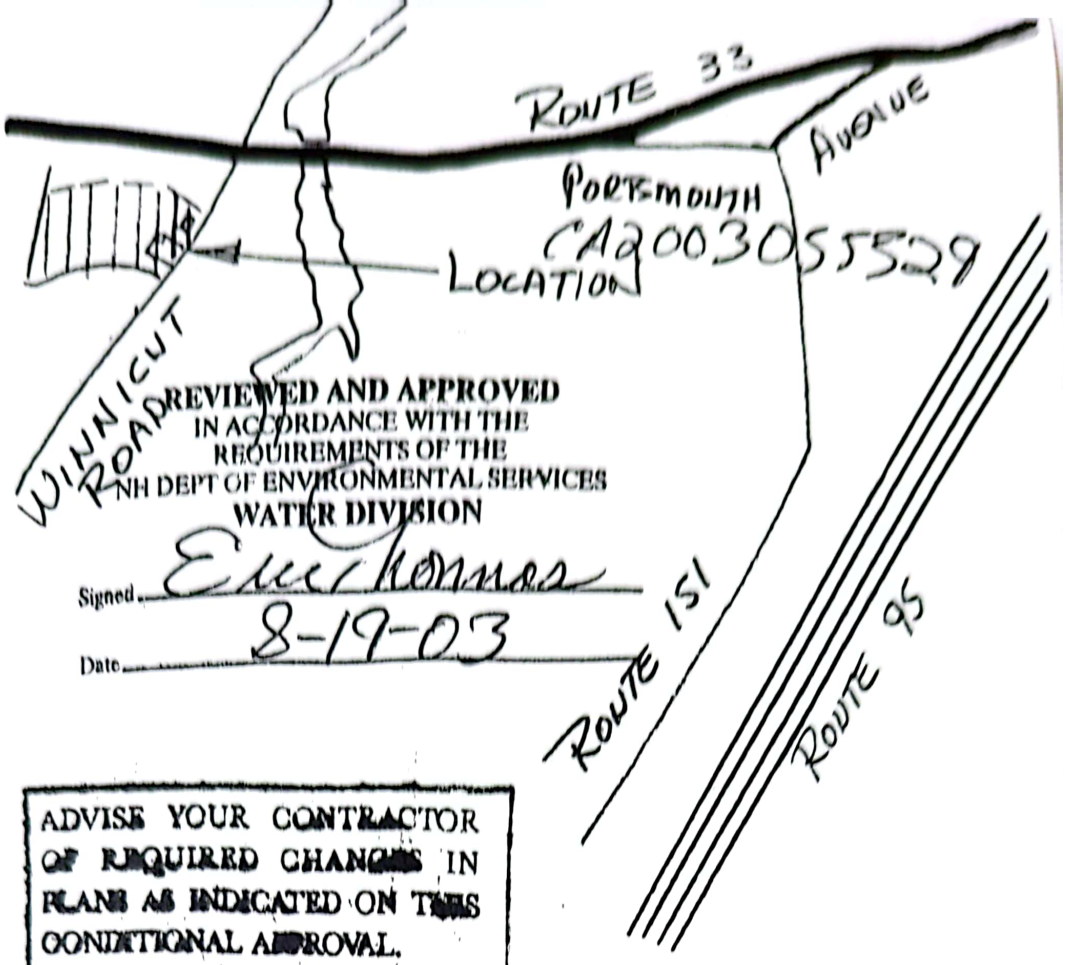
The Department of Environmental Services is dedicated to making more environmental information more readily available to more people while maintaining user confidence in the information. The information is the best available according to the procedures and standards of each of the contributing programs and of this system. The different programs are regularly maintaining the information in their databases, and the system is periodically being modified to respond to user needs. As a result, the system may not always provide access to all existing information, and it may occasionally contain unintentional inaccuracies. The Department has made every effort to present the information in a clear and understandable way for a variety of users. We can not be responsible, however, for the misuse or misinterpretation of the information presented by this system.

Designer Richard F. Fisher
43 Holt Rd Eppng
209-1129

Installer Paul H. Brown
PO Box 624 Eppng
679-2493

10/23/2008 9:0



OWNER: ESTATE OF
WILLIAM W. ROWE
C/O CHARLES TOTH 436-4677
9 PALM DRIVE
GREENLAND N.H.
03840

PLANS PREPARED BY

DICK FISHER
43 HOLT ROAD
EPPING, N.H. 03042

603-679-8723

NEW HAMPSHIRE
Designer
of
Subsurface Disposal
Systems
Richard Fisher
No. 109
Soils & Pollution Co

WARRANTY DEED

KNOW EVERYONE BY THESE PRESENTS, that We, Gail J. Freeman, and Karen F. Bragg, Co-Trustees of the Roger C. Freeman Trust Intervivos Trust Dated May, 1995, of Winnicutt Road, Town of Stratham, County of Rockingham, State of New Hampshire, for CONSIDERATION paid, grant to William W. Rowe, a single man of Portsmouth Avenue, Town of Greenland, County of Rockingham, State of New Hampshire with WARRANTY COVENANTS, the following:

A certain tract of land with the buildings thereon, situate on the westerly side of Winnicut Road, in Greenland, County of Rockingham, and State of New Hampshire, bounded and described as follows:

Beginning on the westerly side of said highway at land of Robert E. Peterson, and thence running southerly by said highway, 186 feet, more or less, to land of Henry R. Fieldsend; thence turning and running westerly by said Fieldsend land, 125 feet, more or less, to a point; thence turning and running southerly by said Fieldsend land 100 feet, more or less, to a point; thence turning and running easterly 125 feet, more or less, to said Winnicut Road; thence turning and running southerly by said Winnicut Road, 34 feet, more or less, to land now or formerly of Neal R. Ganz; thence turning and running westerly by said Ganz land, 470 feet, more or less, to land of Bessie P. Stevens; thence turning and running northerly by said Stevens land 430 feet, more or less, to said Peterson land; thence turning and running easterly by said Peterson land, 503 feet, more or less, to Winnicut Road at the point of beginning.

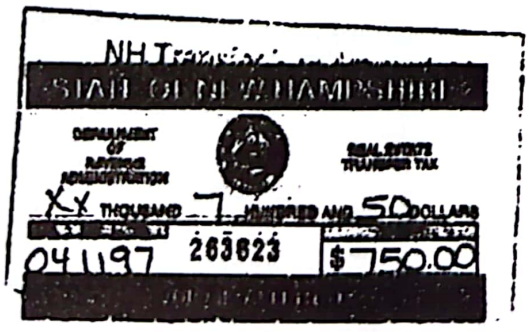
Meaning and intending to convey the same premises as acquired by Quitclaim Deed of William W. Rowe and Roger C. Freeman, dated May 17, 1995, and recorded in the Rockingham County Registry of Deeds at Book 3100, Page 2564.

The foregoing is not homestead property of the Grantor.

Executed this 23rd day of January, 1997.

Witness — Gail J. Freeman

Witness — Karen F. Bragg, Co-Trustee



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ROCKINGHAM COUNTY
REGISTRY OF DEEDS

WASTEWATER ALTERNATIVES, INC
developing innovative solutions with sustainable results
11 Hethlon Road, Canterbury, NH 03224

Telephone: 603-783-8042 Toll Free: (866) 900-2415 Fax (603) 783-4499
www.thecleansolution.com email: info@thecleansolution.com

November 20, 2008

Charles Toth
9 Palm Drive
Greenland, NH 03840

Dear Mr. Toth:

Thank you for choosing to use ***THE CLEAN SOLUTION™*** alternative septic system for your existing 1-bedroom single-family home located at 24 Winnicut Road in Greenland, NH. Attached is a sales agreement for the system. This agreement describes what you are buying, the required maintenance, your warranty, the price and the terms of sale.

The following is enclosed:

1. A complete copy of the Sales Agreement and Inspection Contract for your records.

2. **Inspection Contract** - Return one signed copy to *Anne (Tocky) Bialobrzeski of Stockton Services*. Tocky will send one signed copy to NHDES with your subsurface disposal plan submittal. NHDES needs this for their records to show that you are aware of the required maintenance.

3. **Sales Agreement and Inspection Contract –** Please sign and return with the initial payment to WAI approximately three weeks prior to the system installation. Please provide WAI with the name and contact information of your installer. This information is needed to allow WAI to coordinate the installation date.

I look forward to working with you. Please give me a call if you would like to discuss the system or the sales agreement.

Sincerely,

Gary R. Spaulding
General Manager

WASTEWATER ALTERNATIVES, INC

11 Hethlon Road, Canterbury, NH 03224

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RESIDENTIAL
SALES AGREEMENT
November 20, 2008

BUYER:	
Name:	Charles Toth
Address:	9 Palm Drive
City, State Zip:	Greenland, NH 03840
Phone:	
Cell:	
Email:	
OWNER-IF DIFFERENT:	
Name:	~Same~
Address:	
City, State Zip:	
Phone:	
Cell:	
Email:	

SITE:	
Property ID:	Tax Map R-10, Lot 24
Address:	24 Winnicut Road
City, State, Zip:	Greenland, NH
Waterbody:	N/A
Property Type:	
Residential Single Family:	Yes
Residential Seasonal:	No

Wastewater Alternatives, Inc. (WAI) agrees to supply a Model ***250-R1-P CLEAN SOLUTION™*** Sewage Treatment System to the buyer installed at the above site in accordance with the attached specifications and the subsurface disposal plan submitted for an *existing full time 1-bedroom single family home* by *Anne W. Bialobrzeski of Stockton Services*, as approved by NHDES. ***THE CLEAN SOLUTION*** system has been designed based on design parameters provided by the designer / owner. Change of use that results in the increase in daily flow or wastewater strength will require approval by WAI. Approval from NHDES and Local Land Use Boards may also be required.

SHOULD THE ABOVE PROPERTY BE SOLD, THE ABOVE OWNER SHALL PROVIDE THE NEW OWNER WITH A COPY OF THIS AGREEMENT. THE TERMS AND CONDITIONS OF THIS AGREEMENT WILL TRANSFER TO THE NEW BUYER AND BECOME BINDING ON THE NEW OWNER(S).

This Sales Agreement is subject to the following conditions:

1. The buyer has retained a licensed designer and has obtained all necessary approvals from NHDES and Local Land Use Boards.
2. The buyer will provide WAI with copies of the plans approved by NHDES.
3. The buyer has or will have retained a qualified installer licensed by the State to install Subsurface Disposal Systems prior to system installation.
4. This agreement contains a required maintenance schedule. Failure to perform the required maintenance could result in premature failure of the dispersal field and void the warranty of system and system components.

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SYSTEM COMPONENTS PROVIDED BY WAI:

WAI will provide the following system components as shown on the attached design schematic and specifications. These components shall be installed as shown on the design plans by a qualified installer licensed by the State of NH to install Subsurface Disposal Systems.

1. A 1,000-gallon 2-compartment (500/500 gal) standard duty concrete tank with tank manufacturer applied Conseal 4" Conwrap and Karnak 100 AF waterproofing to function as a settling tank and a pump chamber.
2. Plastic access covers and plastic risers to a maximum height of 24" for the BioCon, Settling and Pump chambers. If depth of cover over the top of the tank exceeds 24", the site contractor shall provide additional risers as necessary. Contractor shall ensure that all risers are watertight and that all screws and gaskets are in place and that the cover(s) have been secured. If concrete risers, covers or cast iron covers are used, contractor shall use water plug or an equivalent method to ensure water tightness.

WAI will provide the following system components and labor to install components as shown in the attached design schematic and specifications:

1. Plastic Media in BioCon™ Chamber (second compartment of existing 1,500/500 gallon tank).
2. (1)- SL44 Compressor - Owner and WAI will mutually determine placement of the compressor. Compressor needs to be within 50' of the BioCon tank.
3. Oxygen transfer system.
4. Baffles within BioCon™ Chamber and settling tank.
5. Air compressor shelf.

Electrical Requirements to be provided by Owner:

1. **Owner shall be responsible for hiring a licensed electrician.**
2. A 120-volt outlet, non-ground fault circuit capable of supplying 1 amp continuously for each compressor and that meets current electrical codes adopted by The State of NH or local Municipality. Location of the outlet(s) shall be within 50' of the BioCon Chamber. (The power required for each compressor is approximately the same as a 100 watt light bulb)

Following not provided by WAI:

1. Additional septic tanks.
2. Effluent pump with necessary pump controls, electrical disconnect switch and high-water alarm.
3. Exterior housing unit for the compressor(s).
4. Exterior Venting may be required for older homes or systems where effluent is pumped to ***THE CLEAN SOLUTION*** system.

All system components supplied by WAI are standard duty rated. Heavy Duty tanks and risers shall be required when the depth of fill exceeds 3 feet but is less than 5 feet. H-20 loaded tanks and risers will be required when the depth of fill is 5 feet or greater and/or is subject to vehicular traffic. Contact WAI for updated pricing for Heavy Duty or H-20 loaded components.

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OWNER HAS THE FOLLOWING UNDERSTANDING

THE CLEAN SOLUTION system has been designed based on information provide by the owner(s) or owner(s) designer/engineer. Failure to install the subsurface disposal system according to the approved plan will void system warranty and performance specifications. The owner(s) contractor shall ensure that all risers are watertight and all system components, both upstream and downstream of ***THE CLEAN SOLUTION*** system are watertight to prevent infiltration from groundwater and surface runoff. ***THE CLEAN SOLUTION*** system has not been designed to handle backwash discharge from Water Softeners or other high water use fixtures such as hot tubs or spa style showers. WAI recommends that backwash discharge or water from high water use fixtures be discharged into an approved drywell. If the septic system requires an effluent pump to be used to discharge effluent to the dispersal field, WAI recommends that the pump be placed in a separate pump tank external of ***THE CLEAN SOLUTION*** system on an 8" high concrete block. The pump chamber shall be inspected on a two-year cycle for sludge buildup and pumped as necessary to prevent sludge from being pumped to the dispersal field. If the effluent pump is placed within ***THE CLEAN SOLUTION*** system-settling tank then the pump shall be placed on a concrete block that is 12" high and the settling chamber shall be inspected on a yearly basis for sludge buildup and pumped as necessary to prevent sludge from being pumped to the dispersal field. More frequent inspections and pumping may be required based on system loading and occupant use.

PERFORMANCE SPECIFICATIONS:

The system is warranted to discharge clean, odor free water to the dispersal field, equivalent or better than 30mg/l BOD5, 30mg/l TSS.

RIGHTS TO DATA AND ACCESS TO THE SYSTEM

WAI reserves the right of reasonable access to collect data, modify, maintain and repair ***THE CLEAN SOLUTION*** and its subsystems. WAI will retain all data collected and the rights to it.

DELIVERY

WAI will be prepared to install the system approximately 3 weeks after you have chosen an installer and returned a signed copy of this agreement with the initial payment to WAI. **It is important that WAI be able to coordinate with the installer. Owner to provide WAI with the installer's contact information.**

TRADE SECRETS

THE CLEAN SOLUTION is the result of the expenditure of much effort and money. The design of the components and operational cycle are the intellectual property of WAI and may not be revealed without written permission.

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WARRANTY FOR RESIDENTIAL SINGLE FAMILY SYSTEM

For a period of 10 years, WAI will warranty the components within BioCon™ chamber and repair or replace any of these components, including parts and labor, at no cost to you. This does not cover pumping the system to make necessary repairs.

WAI will extend the compressor manufacturer's warranty from two to four years. This covers compressor(s) that have been maintained and used under normal operating conditions. WAI will provide replacement air compressor(s) at cost-plus shipping for compressors not covered under warranty. Labor to replace compressor(s) will be billed out at WAI standard hourly rates.

Warranty for pump chamber components (pump, floats, alarms) installed by WAI is limited to the pump / floats / alarm manufacturer's terms and conditions. Labor to replace sump / effluent pump / floats / alarms will be billed out at WAI standard hourly rates.

WAI will warranty a dispersal field that utilizes concrete or plastic chambers or conventional pipe and stone dispersal fields designed and constructed to NH Department of Environmental Services and WAI requirements for a period of 5 years. This warranty does not cover system failures caused by water fixture leaks, water overuse, and groundwater leaks or flooding. This warranty is for materials only to replace the dispersal field in-kind and does not cover the cost of landscaping, pumping, relocation or labor.

Warranty of all other types of dispersal fields (i.e. fabric style leaching components) is limited to manufacturer's warranty and not covered by WAI or WAI warranties.

Owner(s) responsibility during this period is to perform the required maintenance and have an inspection contract with WAI or an approved vendor in effect at all times. Failure to perform the required maintenance, have an inspection contract, and maintain records of pumping or to notify WAI of any problems will void this warranty. This warranty also does not cover damage caused by improper use, poor construction or design practices, high groundwater, flooding or acts of God.

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY OR OTHERWISE, APPLICABLE TO THE SEWAGE TREATMENT SYSTEM SHALL BE LIMITED IN DURATION TO ONE YEAR.

*WASTEWATER ALTERNATIVES INC. SHALL NOT BE LIABLE FOR ANY DIRECT OR INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES. NOR SHALL WASTEWATER ALTERNATIVES, INC. LIABILITY UNDER THIS WARRANTY EXCEED THE PRICE PAID BY THE BUYER TO WASTERWATER ALTERNATIVES, INC. FOR **THE CLEAN SOLUTION SYSTEM**.*

WASTEWATER ALTERNATIVES, INC

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PAYMENT

The agreed upon price for the WAI equipment and services detailed in the Sales Agreement is **$5,240.00.**

ELECTRICAL WORK AND EFFLUENT PUMP WITH CONTROLS NOT INCLUDED IN PRICE. EFFLUENT PUMP TO BE INSTALLED ON AN 8" CONCRETE BLOCK. TANK TO HAVE MANUFACTURER APPLIED CONSEAL 4" CONWRAP AND KARNAK 100 AF WATERPROOFING.

Payment is requested as follows:
$2,620.00 upon signing this agreement
$2,620.00 immediately upon WAI installing system components.
Ownership will transfer to the buyer upon final payment. Failure to pay WAI will void all warrantees.

The price does not include electrical wiring, excavation to install the components of this system, dispersal field, or connections from the house to ***THE CLEAN SOLUTION*** or to the dispersal field.

THIS PRICE IS VALID FOR 60 DAYS FROM THE DATE OF THIS DOCUMENT. ALL SYSTEM COMPONENTS MUST BE INSTALLED WITHIN 60 DAYS OF INITIAL DEPOSIT.

Please send payment to:
Wastewater Alternatives Inc.
P.O. Box 670
Groton MA 01450

If Paying by Credit Card please call:
WAI Accounting Department
1-978-448-2280

By signing below the owner or owner's representative has read the SALES AGREEMENT and attached MAINTENANCE AGREEMENT requirements and agrees to the terms of the SALES AGREEMENT and to perform the necessary maintenance and inspections as outlined in the MAINTENANCE AGREEMENT.

ACCEPTED:

BUYER:

Charles Toth
9 Palm Drive
Greenland, NH 03840

DATE:

SELLER:

Wastewater Alternatives, Inc.
Gary R. Spaulding
General Manager

DATE: November 20, 2008

WASTEWATER ALTERNATIVES, INC

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RESIDENTIAL
INSPECTION CONTRACT
November 20, 2008

BUYER:	
Name:	Charles Toth
Address:	9 Palm Drive
City, State Zip:	Greenland, NH 03840
Phone:	
Cell:	
Email:	
OWNER-IF DIFFERENT:	
Name:	~Same~
Address:	
City, State Zip:	
Phone:	
Cell:	
Email:	

SITE:	
Property ID:	Tax Map R-10, Lot 24
Address:	24 Winnicut Road
City, State, Zip:	Greenland, NH
Waterbody:	N/A
Property Type:	
Residential Single Family:	Yes
Residential Seasonal:	No

MAINTENANCE REQUIRED:

The following maintenance is required. It is the owner's responsibility to see that this maintenance is performed.

☒ **Full Time Residential Use (Single Family Home)**

1. Inspection every 2 years by a WAI Technician or by a company or individual that has been certified by WAI to perform inspections.
2. Use a local pumper to pump out the septic and settling/pump tanks every 2 to 3 years. More or less frequent pumping may be required depending on system use and number of occupants. WAI and the pumper can determine the required frequency. Owner must retain records of pumping.
3. Compressor must run continuously. It should be checked for operation at least once a month.
4. BioCon™ chamber may require pumping between 6 and 8 years. WAI Technician will determine if pumping is necessary during inspection.
5. Compressor Air Filter to be cleaned or replaced yearly.

☐ **Seasonal Residential Use (Single Family Home when used less than 6 months per year)**

1. Inspection every 3 years by a WAI Technician or by a company or individual that has been certified by WAI to perform inspections.
2. Use a local pumper to pump out the septic and settling/pump tanks every 2 to 4 years. More or less frequent pumping may be required depending on system use and number of occupants. WAI or the pumper can determine the required frequency. Homeowner must retain records of pumping.
3. Compressor must run continuously. It should be checked for operation at least once a month.

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4. Compressor may be disconnected during the off-season.
5. BioCon™ chamber may require pumping between 8 and 10 years. WAI Technician will determine if pumping is necessary during inspection.
6. Compressor Air Filter to be cleaned or replaced yearly.

Following the above schedule will fulfill your obligations to maintain your warranty.

The first inspection is included in the sales price. Maintenance Contracts are available from WAI. The service will include a detailed inspection of the system and replacement of any failed items within the BioCon Chamber. Tank pumping is not included in the price and must be arranged by the property owner. Failure to have a maintenance agreement with WAI or an approved vendor will void maintenance warranty outlined in the **Sales Agreement. Effluent pump and controls have been supplied by the Site Contractor and are not covered under WAI warranty.**

INSPECTION FEE SCHEDULE
Single Family Residential Homes – fee is $200.00 per inspection plus the cost of replacement parts not covered by warranty.

Inspection fees may be revised by WAI as needed to adjust cost of services.

Inspection fees will be billed at time of service. Failure to perform inspection or pay for inspection will void WAI warranty.

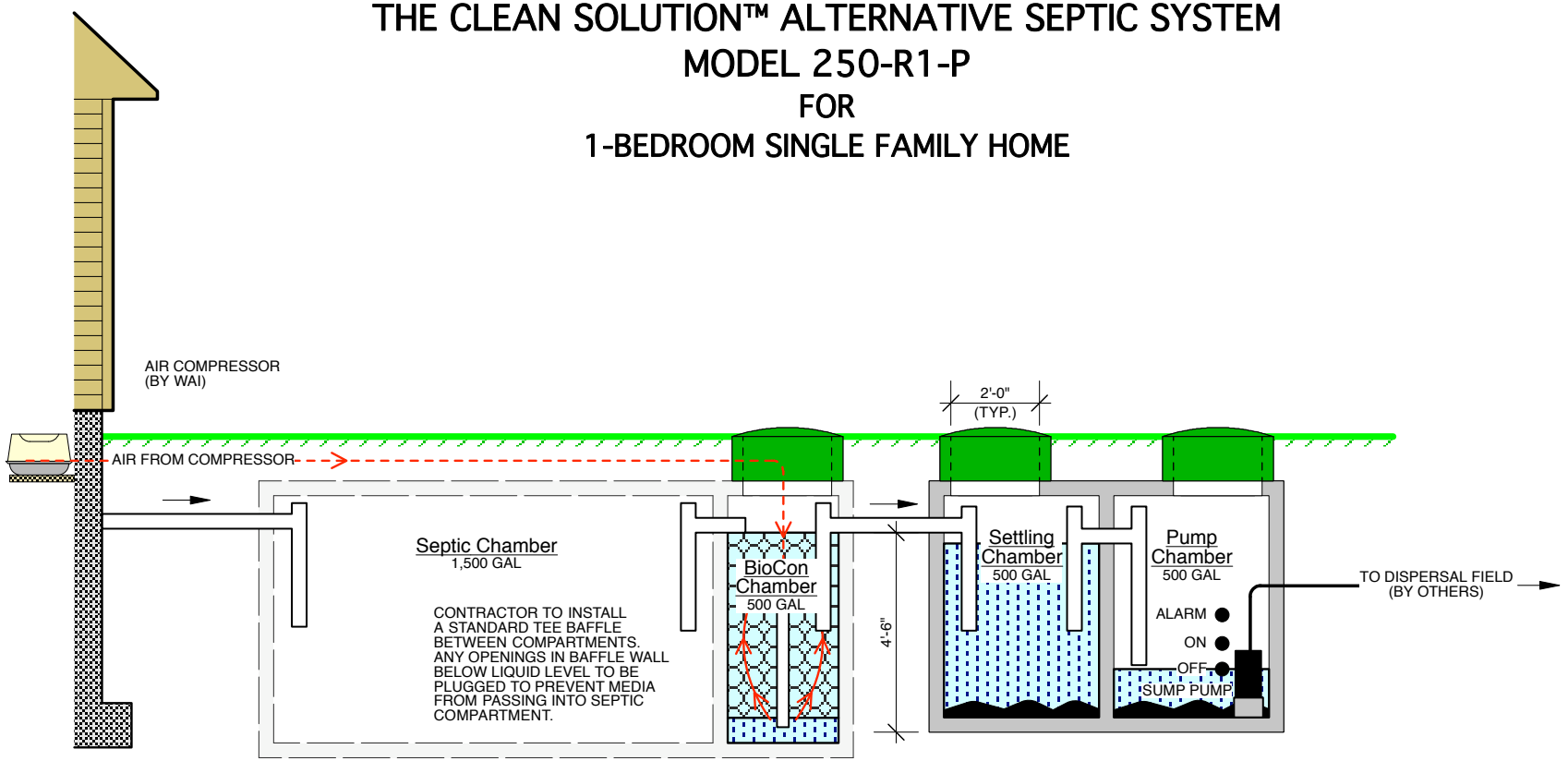
By signing below the owner or owner's representative has read the above Maintenance requirements and conditions outlined in the SALES AGREEMENT and agrees to perform the necessary maintenance and inspections as outlined.

ACCEPTED:
BUYER:

Charles Toth
9 Palm Drive
Greenland, NH 03840

DATE:

THE CLEAN SOLUTION™ ALTERNATIVE SEPTIC SYSTEM
MODEL 250-R1-P
FOR
1-BEDROOM SINGLE FAMILY HOME



Septic/BioConTank
- EXISTING TANK -
1,500/500 GAL 2-Compartment Tank

Settling/Pump Tank
1,000 GAL 2-Compartment Tank
(8'0"L x 5'4"W x 5'8"H)

Tank from:
A.J. Foss Inc.
Farmington, NH 03835
Tel: 603-755-2515

NOTES:
1. Septic Tank, Settling Compartment & Pump Compartment must be pumped every 2 to 3 years. More frequent pumping may be required depending on use.
2. Tank is not suitable for drive on use. Heavy Duty and H-20 models available.
3. Contractor to verify tank dimensions prior to setting.
4. Pump and pump controls to be provided by site contractor. Pump to be placed above sludge level on an 8" concrete block and is to have off, on and alarm floats with high water alarm. Pump and alarm to be on separate circuits. Wiring to be provided by site contractor or home owner.
5. Plastic covers and risers will be provided to suite site (up to 24" depth) for BioCon, Settling and Pump compartments.

Site: Tax Map R-10, Lot 10 24 Winnicut Road Greenland, NH	Owner: Charles Toth 9 Palm Drive Greenland, NH 03840	Date 11/20/2008 Rev.	WASTEWATER ALTERNATIVES, INC. **THE CLEAN SOLUTION™** 11 Hethlon Road Canterbury, NH 03224 Tel. 1-866-900-2415 Fax. 603-783-4499 www.thecleansolution.com

TOTH_250-R1-P_Foss.wsx

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THEORY of *THE CLEAN SOLUTION*

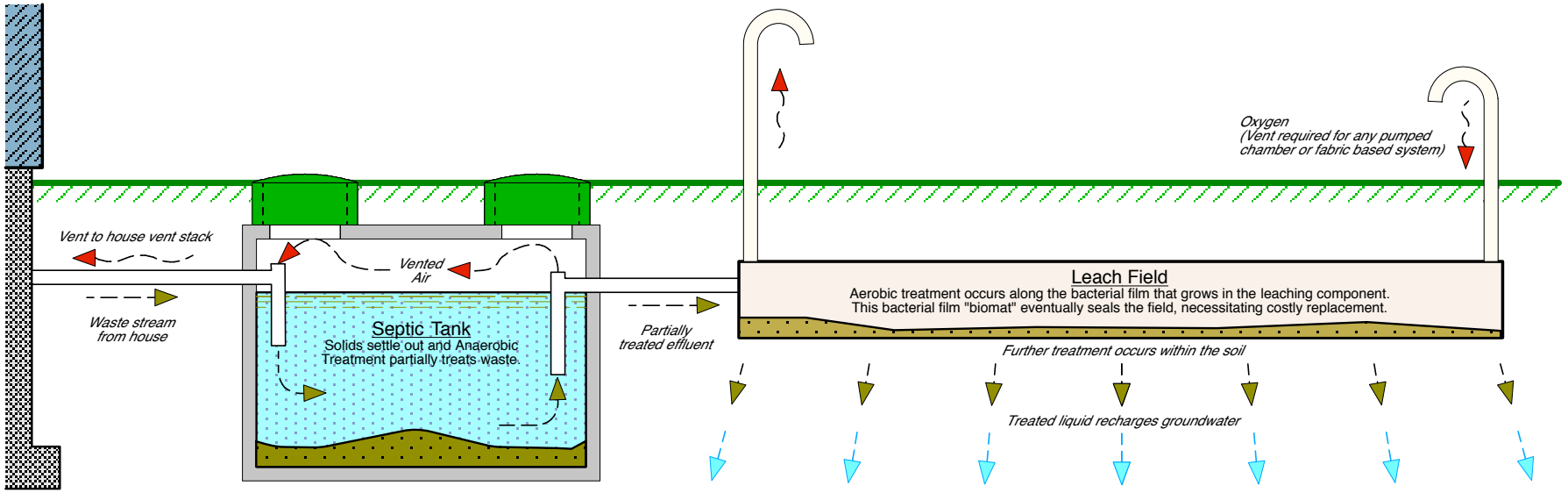
Conventional small to mid-size sewage systems normally use a septic tank followed by a leach field to first provide anaerobic (without air) and then aerobic (with air) treatment of the effluent. Septic tanks work well for capturing and digesting the solids, which are anaerobically fermented over a long period of time, dissolving the solids into the liquid waste. However, a septic tank is not designed to treat the contaminants that dissolve in the liquids. These are treated aerobically in the leach field. Municipal systems, which handle very large volumes of wastewater use different equipment to accomplish the same biological functions: primary sedimentation tanks remove solids, and a subsequent aerobic system treats the contaminants dissolved in the liquids. Settled solids are removed from municipal primary and secondary facilities for further treatment.

All aerobic treatment systems, whether a conventional leach field, municipal treatment plant, or *THE CLEAN SOLUTION*, depend on bacteria to purify the effluent from a solids settling system. In order for bacteria to reproduce they require energy (food) and air. By using the contaminants in the effluent as food and atmospheric air the bacteria metabolize the dissolved solids to carbon dioxide, water and sludge (colonies of bacteria). The aerobic bacteria also convert ammonia compounds to nitrates.

A large number of bacteria need to come in contact with the food source in order to purify an effluent. Treatment systems utilize different methods to provide the necessary bacteria population. A municipal system mechanically stirs up the bacteria in the secondary treatment process so that they will contact their food and not settle out of the effluent. In a leach field, the sludge (biomat) that forms at the ground interface is a large colony of bacteria through which the dissolved solid stream flows. In *THE CLEAN SOLUTION* the bacteria collect in a thin film on the plastic media in WAI'S proprietary BioCon biological contactor, the effluent is circulating over the plastic media several times.

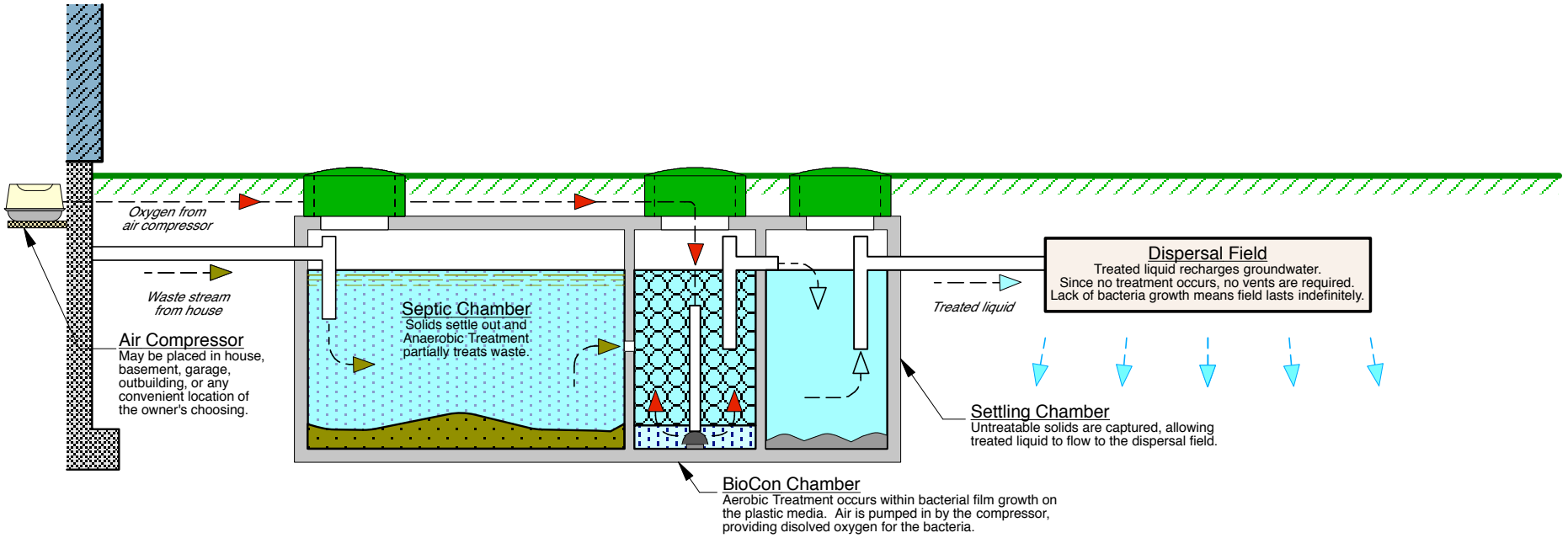
THE CLEAN SOLUTION uses the same biological process as a municipal secondary treatment plant utilizing the activated sludge process. Solids are settled out and air is added for bacteria respiration in the BioCon. This allows the bacteria to convert the carbonaceous dissolved solids to carbon dioxide, water and sludge. In addition the urea and ammonia converts to nitrates and sludge. The sludge created is settled for periodic removal from the system, and a clean, odorless effluent is discharged to the dispersal field.

The major difference between a conventional septic system and *THE CLEAN SOLUTION* is where the bacteria (sludge) collect. In a conventional system, the sludge forms in the bottom of the leach field and restricts the effluent flow enough so that the bacteria has time to act. This flow rate through the sludge determines the required field size. In *THE CLEAN SOLUTION* system the sludge is formed in the BioCon chamber resulting in treated, clear effluent discharging to the dispersal field. This field can be greatly reduced in size because there is no for further treatment to reduce BOD and TSS.


Oxygen
(Vent required for any pumped
chamber or fabric based system)
Vent to house vent stack
Vented
Air
Waste stream
from house
Septic Tank
Solids settle out and Anaerobic
Treatment partially treats waste.
Partially
treated effluent
Leach Field
Aerobic treatment occurs along the bacterial film that grows in the leaching component.
This bacterial film "biomat" eventually seals the field, necessitating costly replacement.
Further treatment occurs within the soil
Treated liquid recharges groundwater

LEACH FIELD BASED SEPTIC SYSTEM

Treatment occurs within the leach field components, whether fabric wrapped pipes or mats, concrete or plastic chambers or traditional pipe & stone.



THE CLEAN SOLUTION™ ALTERNATIVE SEPTIC SYSTEM

Treatment occurs within the BioCon™ Aerobic treatment chamber, allowing for a dispersal area smaller than a leach field.

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